

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\
 Data File : VY000244.D
 Acq On : 09 Oct 2019 15:29
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 8:40:43 AM

Quant Time: Oct 10 02:19:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 02:06:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	292447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	490800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	423489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	194381	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	195419	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	7.74	113	154857	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	10.19	98	584843	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.48	95	196592	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	1536	0.526	ug/l	84
3) Chloromethane	2.12	50	2388	0.601	ug/l	94
4) Vinyl Chloride	2.26	62	2213	0.539	ug/l	90
5) Bromomethane	2.65	94	1943	0.750	ug/l	81
6) Chloroethane	2.80	64	1499	0.578	ug/l #	88
7) Trichlorofluoromethane	3.14	101	2708	0.510	ug/l #	63
8) Diethyl Ether	3.54	74	1335	0.550	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.91	101	1641	0.530	ug/l #	90
10) Methyl Iodide	4.08	142	1553	0.340	ug/l #	83
11) Tert butyl alcohol	4.95	59	10954	5.361	ug/l #	73
12) 1,1-Dichloroethene	3.88	96	1643	0.511	ug/l #	70
13) Acrolein	3.74	56	2571	2.397	ug/l	84
14) Allyl chloride	4.48	41	3493	0.645	ug/l #	46
15) Acrylonitrile	5.18	53	10434	2.893	ug/l	95
16) Acetone	3.96	43	9590	3.219	ug/l	97
17) Carbon Disulfide	4.19	76	4743	0.500	ug/l #	76
18) Methyl Acetate	4.49	43	4316	0.529	ug/l #	51
19) Methyl tert-butyl Ether	5.25	73	6535	0.556	ug/l #	84
20) Methylene Chloride	4.73	84	3162	0.808	ug/l #	73
21) trans-1,2-Dichloroethene	5.24	96	1721m	0.476	ug/l	
22) Diisopropyl ether	6.12	45	6182	0.493	ug/l #	76
23) Vinyl Acetate	6.08	43	25813	2.271	ug/l #	88
24) 1,1-Dichloroethane	6.04	63	3580	0.559	ug/l #	82
25) 2-Butanone	7.01	43	14518	2.634	ug/l	95
26) 2,2-Dichloropropane	7.00	77	4040	0.699	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	2126	0.499	ug/l	83
28) Bromochloromethane	7.35	49	1311	0.622	ug/l #	63
29) Tetrahydrofuran	7.36	42	10083	2.591	ug/l	94
30) Chloroform	7.52	83	4064	0.612	ug/l	87
31) Cyclohexane	7.80	56	8857	1.370	ug/l #	54
32) 1,1,1-Trichloroethane	7.72	97	3142	0.556	ug/l #	48
36) 1,1-Dichloropropene	7.93	75	2620	0.525	ug/l #	89
37) Ethyl Acetate	7.09	43	5367	0.594	ug/l #	85
38) Carbon Tetrachloride	7.92	117	2905	0.597	ug/l #	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	2906	0.464	ug/l #	65
40) Benzene	8.18	78	8011	0.529	ug/l	93
41) Methacrylonitrile	7.36	41	5186m	0.730	ug/l	
42) 1,2-Dichloroethane	8.25	62	3655	0.743	ug/l	79
43) Isopropyl Acetate	8.28	43	6225	0.536	ug/l	97
44) Trichloroethene	8.96	130	2411	0.587	ug/l	71
45) 1,2-Dichloropropane	9.23	63	1879	0.495	ug/l #	83
46) Dibromomethane	9.32	93	1528	0.574	ug/l	96
47) Bromodichloromethane	9.50	83	2766	0.532	ug/l #	68
48) Methyl methacrylate	9.30	41	2817	0.537	ug/l #	86
49) 1,4-Dioxane	9.32	88	1720	12.775	ug/l	88
51) 4-Methyl-2-Pentanone	10.08	43	22505	2.577	ug/l	97
52) Toluene	10.25	92	4898	0.504	ug/l	94
53) t-1,3-Dichloropropene	10.47	75	2772	0.470	ug/l #	82
54) cis-1,3-Dichloropropene	9.94	75	3145	0.492	ug/l #	89
55) 1,1,2-Trichloroethane	10.65	97	1935	0.505	ug/l #	78
56) Ethyl methacrylate	10.52	69	3081	0.457	ug/l #	94
57) 1,3-Dichloropropane	10.80	76	3376	0.516	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.80	63	6904	2.296	ug/l #	84
59) 2-Hexanone	10.84	43	18031	2.436	ug/l	100
60) Dibromochloromethane	10.99	129	2011	0.496	ug/l	90
61) 1,2-Dibromoethane	11.10	107	2519	0.619	ug/l	90
64) Tetrachloroethene	10.72	164	2747	0.710	ug/l #	80
65) Chlorobenzene	11.52	112	5112	0.521	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	2081	0.593	ug/l #	57
67) Ethyl Benzene	11.60	91	9362	0.534	ug/l	89
68) m/p-Xylenes	11.70	106	6306	0.942	ug/l	87
69) o-Xylene	12.03	106	3361	0.521	ug/l	96
70) Styrene	12.05	104	4953	0.446	ug/l #	87
71) Bromoform	12.21	173	1362	0.470	ug/l #	90
73) Isopropylbenzene	12.33	105	8158	0.495	ug/l	97
74) N-amyl acetate	12.14	43	3306	0.422	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.58	83	3153	0.561	ug/l	92
76) 1,2,3-Trichloropropane	12.63	75	2938m	0.572	ug/l	
77) Bromobenzene	12.61	156	2357	0.610	ug/l	90
78) n-propylbenzene	12.67	91	8919	0.464	ug/l	96
79) 2-Chlorotoluene	12.75	91	6555	0.592	ug/l	94
80) 1,3,5-Trimethylbenzene	12.81	105	7575	0.551	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	1224m	0.492	ug/l	
82) 4-Chlorotoluene	12.85	91	6279	0.560	ug/l	99
83) tert-Butylbenzene	13.07	119	6495	0.544	ug/l	88
84) 1,2,4-Trimethylbenzene	13.12	105	6716	0.489	ug/l	91
85) sec-Butylbenzene	13.25	105	8699	0.528	ug/l	100
86) p-Isopropyltoluene	13.37	119	6733	0.465	ug/l	96
87) 1,3-Dichlorobenzene	13.36	146	3845	0.549	ug/l	91
88) 1,4-Dichlorobenzene	13.44	146	4399m	0.603	ug/l	
89) n-Butylbenzene	13.70	91	6321	0.463	ug/l	96
90) Hexachloroethane	13.95	117	1503	0.549	ug/l	82
91) 1,2-Dichlorobenzene	13.75	146	3720	0.525	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1105	0.630	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	2374	0.493	ug/l	84
94) Hexachlorobutadiene	15.12	225	1182	0.514	ug/l	89
95) Naphthalene	15.24	128	9900	0.547	ug/l	96
96) 1,2,3-Trichlorobenzene	15.42	180	2820	0.609	ug/l	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

